

CLAIMS

1. A terminal structure of a superconducting cable (100), a terminal member of the superconducting cable extending from a cryogenic side to a room-temperature side through a bushing (10), wherein

the terminal structure includes, in the cryogenic side, a refrigerant bath (11) cooling said bushing,

said refrigerant bath (11) includes a gaseous refrigerant layer (14) and a liquid refrigerant layer (13), and

in said gaseous refrigerant layer (14), the distance between an inner surface (11a) of the refrigerant bath (11) and an outer periphery of the bushing (10) is dimensioned such that a gaseous state is maintained without being pressurized by a pressurizer and respective pressures of a gaseous refrigerant (14a) and a liquid refrigerant (13a) counterbalance each other.

2. The terminal structure of the superconducting cable according to claim 1, further including a leakage prevention member (20, 21) for preventing the liquid refrigerant (13a) from leaking into the room-temperature side.